



STIC Search Report

EIC 2100

STIC Database Tracking Number: 140460

TO: Fred Ehichoya
Location: RND 3B31
Art Unit : 2162
Wednesday, December 15, 2004

Case Serial Number: 09/925265

From: David Holloway
Location: EIC 2100
RND 4B19
Phone: 2-3528

david.holloway@uspto.gov

Search Notes

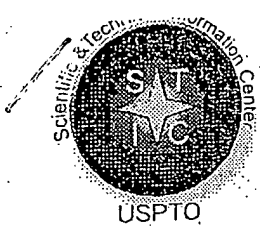
Dear Examiner Ehichoya,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David

BEST AVAILABLE COPY





STIC EIC 2100 140460 Search Request Form

Today's Date:

12/15/04

What date would you like to use to limit the search?

Priority Date: 8/9/2001 Other:

Name FRED EHICHIOYA

AU 2162 Examiner # 79719

Room # RAN 3631 Phone 2-4034

Serial # 09/925,265

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-ic2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

SMART RECEIPT

- Setting a user preference in a customer profile, wherein the user preference specifies one or more databases out of a plurality of databases, to which an electronic receipt is to be sent from point of sale devices

- Sending the electronic receipt from ~~point~~ the point of sale device to ~~the~~ one or more databases specified by the user preference

* Please follow the class 705 Template Review format because the claim limitations include a transaction executed by the user at a point of sale device

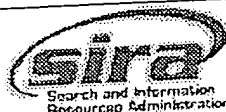
STIC Searcher 1

David Holloway

Phone 2-3528

Date picked up 12-15-04

Date Completed 12-15-04



S1 8284709 PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR S-
 PECIFICAT?
 S2 375585 S1(3N) (USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER?
 OR CONSUMER?)
 S3 162662 EPOS OR POINT(N)SALE? OR ECR OR (COMPUTER? OR DIGITAL OR -
 AUTOMATED OR ELECTRONIC) ()CASH()REGISTER? OR POS
 S4 4940147 RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()REC-
 ORD?
 S5 23823397 ROUT? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STORI-
 NG OR SAVE? OR SAVING OR KEEP? OR KEEPING
 S6 439226 (MULTIPL? OR DISTRIBUTED OR NETWORKED OR SEVERAL OR PLURAL?
 OR DIFFERENT OR VARIOUS OR MANY OR VARIETY) (2N) (DATABASE? OR
 DATABANK? OR DATA() (BASE? OR BANK?) OR LOCATION? OR FILE? OR -
 DATAFILE?)
 S7 12 S2(S)S3(S)S4(2N) (S5 OR S6)
 S8 1 S2(S)S3(S)S4(S)S5(S)S6
 S9 12 S7 OR S8
 S10 7 RD (unique items)
 S11 37 S2(S)S3(S)S4(S) (S5 OR S6)
 S12 37 S11 OR S10
 S13 28 RD (unique items)
 S14 18 S13 NOT PD>20010809
 File 15:ABI/Inform(R) 1971-2004/Dec 15
 (c) 2004 ProQuest Info&Learning
 File 9:Business & Industry(R) Jul/1994-2004/Dec 14
 (c) 2004 The Gale Group
 File 610:Business Wire 1999-2004/Dec 13
 (c) 2004 Business Wire.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 275:Gale Group Computer DB(TM) 1983-2004/Dec 15
 (c) 2004 The Gale Group
 File 476:Financial Times Fulltext 1982-2004/Dec 15
 (c) 2004 Financial Times Ltd
 File 624:McGraw-Hill Publications 1985-2004/Dec 15
 (c) 2004 McGraw-Hill Co. Inc
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 15
 (c) 2004 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Dec 15
 (c) 2004 The Gale Group
 File 613:PR Newswire 1999-2004/Dec 13
 (c) 2004 PR Newswire Association Inc
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 16:Gale Group PROMT(R) 1990-2004/Dec 15
 (c) 2004 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 634:San Jose Mercury Jun 1985-2004/Dec 14
 (c) 2004 San Jose Mercury News
 File 148:Gale Group Trade & Industry DB 1976-2004/Dec 15
 (c)2004 The Gale Group
 File 20:Dialog Global Reporter 1997-2004/Dec 15
 (c) 2004 The Dialog Corp.
 File 635:Business Dateline(R) 1985-2004/Dec 15
 (c) 2004 ProQuest Info&Learning
 File 570:Gale Group MARS(R) 1984-2004/Dec 15
 (c) 2004 The Gale Grou

Set	Items	Description
S1	3024722	PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR SPECIFICAT?
S2	22736	S1(3N) (USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER? OR CONSUMER?)
S3	20057	EPOS OR POINT(N) SALE? OR ECR OR (COMPUTER? OR DIGITAL OR AUTOMATED OR ELECTRONIC) () CASH () REGISTER? OR POS
S4	95200	RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES () RECORD?
S5	2396547	ROUTE? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STORING OR SAVE? OR SAVING? OR KEEP? OR KEEPING?
S6	69676	(MULTIPL? OR DISTRIBUTED OR SEVERAL OR DIFFERENT OR VARIOUS OR MANY OR VARIETY OR PLURALITY OR PLURAL) (3N) (DATABASE? OR DATABANK? OR DATA () (BASE? OR BANK?) OR FILE? OR LOCATION?)
S7	3	S2 AND S3 AND S4
S8	31	S2 AND S4 AND S5
S9	0	S3 AND S4 AND S5 AND S6
S10	1	S8 AND S6
S11	2	S1 AND S4 AND S6 AND S5
S12	5	S7 OR S9 OR S10 OR S11
S13	34	S2 AND S3
S14	74	S3 AND S4 AND S5
S15	5	S4(3N) S5 AND S6
S16	12	S3 AND S4(3N) S5
S17	81	S7 OR S8 OR S10 OR S11 OR S12 OR S13 OR S15 OR S16
S18	78	RD (unique items)
S19	69	S18 NOT PY>2001
S20	68	S19 NOT PD>20010809

File 35:Dissertation Abs Online 1861-2004/Nov

(c) 2004 ProQuest Info&Learning

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

(c) 2002 The Gale Group

File 65:Inside Conferences 1993-2004/Dec W2

(c) 2004 BLDSC all rts. reserv.

File 2:INSPEC 1969-2004/Dec W1

(c) 2004 Institution of Electrical Engineers

File 233:Internet & Personal Comp. Abs. 1981-2003/Sep

(c) 2003 EBSCO Pub.

File 479:Gale Group Company Intelligence(R) 2004/Dec 14

(c) 2004 The Gale Group

File 475:Wall Street Journal Abs 1973-2004/Dec 14

(c) 2004 The New York Times

File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Nov

(c) 2004 The HW Wilson Co.

File 8:Ei Compendex(R) 1970-2004/Dec W1

(c) 2004 Elsevier Eng. Info. Inc.

File 94:JICST-EPlus 1985-2004/Nov W1

(c) 2004 Japan Science and Tech Corp(JS

20/3,K/1 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01881994 ORDER NO: AADAA-IC807373

Data quality and data alignment in e-business

Author: Vermeer, Bas Henri Peter Johan

Degree: Dr.

Year: 2001

Corporate Source/Institution: Technische Universiteit Eindhoven (The Netherlands) (0426)

Source: VOLUME 63/01-C OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 128. 219 PAGES

ISBN: 90-386-0923-X

Publisher: Eindhoven University of Technology, Postbus 513, 5600 MB
Eindhoven, The Netherlands

...Data Interchange (EDI) initiative and data quality.

When computer systems are interconnected, they exchange orders, **delivery** notifications, **invoices**, and many more messages, which we refer to as *transaction communication*. The messages...

...improve the quality of the context.

Basically, two problems arise when data is aligned in **multiple database** situations: the translation problem, and the distribution problem. The *translation* problem arises because the same fact may be differently structured at **different locations** in the network. Therefore, database schema translation is necessary to map the structure of the...

...data may get delayed, damaged, or delivered to the wrong recipient, resulting in inconsistencies among **different locations**.

Studying the data integration and data distribution literature, we constructed a new method to align...

20/3,K/9 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09285179

Trinis go for plastic

TRINIDAD & TOBAGO: ACCEPTANCE OF DEBIT CARDS
Trinidad Express (AXE) 08 May 2000 Online
Language: ENGLISH

... transactions are executed every month. Despite the high cost of the debit point of sale (**POS**) electronic devices, US\$ 4,000 each, the retail industry will have to adapt to its **customer's preferences** . The number of **POS** , thus far, in the country is 6,000 and for 2002 the number is expected...

20/3,K/20 (Item 13 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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04648465

MARKET MAKING INFORMATION

UK - **EPOS** COULD BENEFIT MARKETING DEPARTMENTS
Retail Week (RWK) 15 November 1991 p16

UK - **EPOS** COULD BENEFIT MARKETING DEPARTMENTS

...marketing departments of UK retailers have not yet realised the benefits of data obtained through **EPoS**, according to Robin Welch and Peter White of direct response marketing concern Colorgraphic Group. Marketers could use information from storecard purchases to assess **customer** and product **profiles**, thus targetting direct marketing and sales promotions more effectively. Purchase data can be added to...

... can also be obtained from barcodes and database software. Article discusses further the advantages of **EPoS** technology for the marketer.

20/3,K/22 (Item 15 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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00432302

EPOS SERVICE TO BE MARKETING BY THORN EMI
UK - EPOS SERVICE TO BE MARKETING BY THORN EMI
Marketing (MG) 31 July 1986 p6
ISSN: 0025-3634

EPOS SERVICE TO BE MARKETING BY THORN EMI
UK - EPOS SERVICE TO BE MARKETING BY THORN EMI

Thorn EMI Datasolve is marketing and EPOS service called Shoplink, enabling retailers to send off till receipts at the end of the day to branch and head offices, and is capable of converting data for acceptance by between different EPOS hardware. The service competes directly with Centrefile of NatWest and less so with services of...

20/3,K/25 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6963239

Title: Esker announces Pulse for flexible electronic delivery of documents, messages, and files

Journal: Information Management & Technology vol.34, no.3 p.136-8

Publisher: Cimtech,

Publication Date: May-June 2001 Country of Publication: UK

CODEN: IMTHEM ISSN: 0266-6960

SICI: 0266-6960(200105/06)34:3L.136:EAPF;1-B

Material Identity Number: P582-2001-003

Language: English

Subfile: D

Copyright 2001, IEE

Title: Esker announces Pulse for flexible electronic delivery of documents, messages, and files

Abstract: Esker's new Pulse is a versatile solution for the intelligent multi-channel **delivery** of application-generated information. Pulse is a server-based solution that recognises application output, transforms it into widely used formats PDF, HTML, XML, image, text and **routes** it to recipients via secure Web server, e-mail, fax, wireless or distributed print according to the preferences of the recipient. By streamlining and automating the **delivery** of documents previously tied to costly and sub-optimal **delivery** methods, Pulse reduces the cost of customer communications while improving service levels through the **delivery** of essential documents such as **invoices**, **bills**, statements and trade confirmations based on **user preference**. As a result, Pulse adds value to the information it **delivers** while reducing business cycle times that are linked to the **delivery** of time-sensitive information.

...Identifiers: **delivery** of documents

20/3,K/26 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6887789 INSPEC Abstract Number: C2001-05-7160-046

Title: **Digital definition of BOM [bill of materials]**

Author(s): Rudnicki, J.; Siuta, B.

Author Affiliation: Inst. of Ind. Eng. & Manage., Tech. Univ. of Wroclaw, Poland

Conference Title: Information Systems Architecture and Technology ISAT 2000. Proceedings of the 22nd International Scientific School Managing Growth of Organisation Information and Technical Issues p.114-21

Editor(s): Grzech, A.; Wilimowska, Z.

Publisher: Wroclaw Univ. of Technol, Wroclaw, Poland

Publication Date: 2000 Country of Publication: Poland 296 pp.

ISBN: 83 7085 502 4 Material Identity Number: XX-2001-00529

Conference Title: Information Systems Architecture and Technology ISAT 2000. Proceedings of the 22nd International Scientific School Managing Growth of Organisation Information and Technical Issues

Conference Date: 2000 Conference Location: Wroclaw, Poland

Language: English

Subfile: C

Copyright 2001, IEE

Title: **Digital definition of BOM [bill of materials]**

...Abstract: customer to directly define the structure of a product, which is then reflected in the **bill** of materials (BOM) of the manufacturer's ERP system database. The BOM, which is defined directly to **customers' specifications** from any place in the world, is the basis for the manufacture of the ordered...

... identify the needs, the BOM thus defined makes it possible to shorten the chain of **delivery** and to eliminate or reduce errors that may occur during the input, processing and transformation...

...Identifiers: **bill** of materials

20/3,K/55 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2004 The HW Wilson Co. All rts. reserv.

2173066 H.W. WILSON RECORD NUMBER: BAST00052402

It's all about apps

Young, Deborah;

Wireless Review v. 17 no14 (July 15 2000) p. 15

DOCUMENT TYPE: Feature Article ISSN: 1099-9248

...ABSTRACT: a range of web-based products from consumer to enterprise applications. Davinci Technologies offered electronic **bill** -presentment-and-payment products that enable **consumers** to set up **profiles** to control the services they use. EDS, in partnership with Hewlett-Packard, is providing Internet-messaging applications and with EMC is intending to **deliver** data storage and management services. Russ Shearer of Ericsson says the company will support applicati

Set	Items	Description
S1	1065208	PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR SPECIFICAT?
S2	16225	S1(3N)(USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER? OR CONSUMER?)
S3	15149	EPOS OR POINT(N)SALE? OR ECR OR (COMPUTER? OR DIGITAL OR AUTOMATED OR ELECTRONIC)()CASH()REGISTER? OR POS
S4	50038	RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()RECORD?
S5	3118359	ROUTE? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STORING OR SAVE? OR SAVING? OR KEEP? OR KEEPING?
S6	30335	(MULTIPL? OR DISTRIBUTED OR SEVERAL OR DIFFERENT OR VARIOUS OR MANY OR VARIETY OR PLURALITY OR PLURAL)(3N)(DATABASE? OR DATABANK? OR DATA() (BASE? OR BANK?) OR FILE? OR LOCATION?)
S7	2	S2 AND S3 AND S4
S8	113	S2 AND S4 AND S5
S9	10	S3 AND S4 AND S5 AND S6
S10	3	S8 AND S6
S11	19	S1 AND S4 AND S6 AND S5
S12	30	S7 OR S9 OR S10 OR S11
S13	23	S12 AND IC=(G06F? OR H04L?)
S14	23	IDPAT (sorted in duplicate/non-duplicate order)
S15	23	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)
(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200479
(c) 2004 Thomson Derwent

15/5/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014419991 **Image available**
WPI Acc No: 2002-240694/200229
XRPX Acc No: N02-185844

Monthly bill amount due minimizing method involves compiling database storing service plans and generating list of service bundles based on customer preferences
Patent Assignee: EXPENSEADVISOR INC (EXPE-N)
Inventor: BALASUBRAMANYAM R; CURRIE S; HATFIELD P; RENGANATHAN S; RIDDLE R A; SRINIVASAN L
Number of Countries: 093 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
WO 200191020 A1 20011129 WO 2001US17157 A 20010525 200229 B
AU 200174986 A 20011203 AU 200174986 A 20010525 200229

Priority Applications (No Type Date): US 2000579003 A 20000525
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200191020 A1 E 100 G06F-017/60
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200174986 A G06F-017/60 Based on patent WO 200191020

Abstract (Basic): WO 200191020 A1

NOVELTY - Usage information derived from customer's bills are gathered. Customer preference data including geographical limitations, utility provider limitation and anticipated usage patterns, are received. A database storing several service plans is compiled. A list of service bundles optimizing total amount of due for all bills, is generated based on customer preferences and is communicated to customer for evaluation.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Customer usages comparison method;
- (b) Potential cost calculation method;
- (c) Service plans ranking method;
- (d) Monthly bill amount due minimizing apparatus;
- (e) Customer usages comparing apparatus;
- (f) Potential cost calculating apparatus;
- (g) Bill information parsing method

USE - For minimizing the total amount due for bills for services such as water, electricity, telephone, mobile phone, pager, beepers, mortgages, loans, online trading, groceries, credit cards etc.

ADVANTAGE - Generates a list of optimal cost plans satisfying customer preferences.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of bill amount due minimizing process.

pp; 100 DwgNo 1/15

Title Terms: MONTH; BILL; AMOUNT; MINIMISE; METHOD; COMPILE; DATABASE; STORAGE; SERVICE; PLAN; GENERATE; LIST; SERVICE; BUNDLE; BASED; CUSTOMER
Derwent Class: T01; T05
International Patent Class (Main): G06F-017/60
File Segment: EPI

15/5/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014285052 **Image available**
WPI Acc No: 2002-105753/200214
XRPX Acc No: N02-078684

Automatic form handling method for employment application through
Internet, involves creating tables comprising storage elements
corresponding to submission fields of form in application database

Patent Assignee: LACK S (LACK-I); MIKHAILOV D (MIKH-I)

Inventor: LACK S; MIKHAILOV D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010054046	A1	20011220	US 2000194732	P	20000405	200214 B
			US 2001826037	A	20010404	

Priority Applications (No Type Date): US 2000194732 P 20000405; US
2001826037 A 20010404

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010054046	A1		22	G06F-015/00	Provisional application US 2000194732

Abstract (Basic): US 20010054046 A1

NOVELTY - The form received from a publisher, is processed to identify data submission fields which are correlated with field types supported by an application **database**. **Multiple** tables comprising storage elements corresponding to the submission fields, are created in database. The form is published to receive user input, and input entries are **stored** in the corresponding storage elements.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computer storage medium **storing** form handling program;

(b) Computer controlled apparatus for handling forms

USE - For handling forms in HTML, XML, PDI or word processing format used for application services such as political polling survey, **consumer preference** survey, order forms for goods and services, warranty cards, employment applications, online data entry forms such as gathering electronic marketing data, **bill** presentation and payment systems, insurance claims submission, census taking, absentee ballot collection, online shopping, meeting scheduling, shareholder balloting etc., and also for voluntary submission systems such as e-commerce and marketing survey applications through intranet, Internet, LAN, WAN, etc.

ADVANTAGE - Enables the visitors to access the forms and enter a form submission in a short time by maintaining the sufficient communication bandwidth. Enables the form publisher to easily and quickly design and deploy highly sophisticated forms.

DESCRIPTION OF DRAWING(S) - The figure shows the functional block diagram of automatic form handling system.

pp; 22 DwgNo 1/11

Title Terms: AUTOMATIC; FORM; HANDLE; METHOD; EMPLOY; APPLY; THROUGH; TABLE
; COMPRISE; STORAGE; ELEMENT; CORRESPOND; FIELD; FORM; APPLY; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-015/00

File Segment: EPI

15/5/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013832288 **Image available**
WPI Acc No: 2001-316500/200133
XRPX Acc No: N01-227489

Transaction tracking method for electronic billing system by configuring
a database to store log of receipts of message indicative of
applicable user entity signing-on to system

Patent Assignee: CHECKFREE CORP (CHEC-N)
Inventor: DREYER H D; GANESAN R; HARRIS M T; WOLFE K R
Number of Countries: 029 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
ZA 200001492	A	20001227	ZA 20001492	A	20000324	200133 B
EP 1136923	A1	20010926	EP 2000106122	A	20000321	200157 N
NZ 503498	A	20010831	NZ 503498	A	20000321	200157 N
AU 200022454	A	20010927	AU 200022454	A	20000322	200229 N
SG 102569	A1	20040326	SG 20001616	A	20000321	200428 N

Priority Applications (No Type Date): ZA 20001492 A 20000324; EP 2000106122
A 20000321; NZ 503498 A 20000321; AU 200022454 A 20000322; SG 20001616 A
20000321

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
ZA 200001492	A		53	H01L-000/00	
EP 1136923	A1	E		G06F-017/60	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
NZ 503498	A			G06F-017/60	
AU 200022454	A			G06F-017/60	
SG 102569	A1			G06F-017/60	

Abstract (Basic): ZA 200001492 A

NOVELTY - The system has a user entity/interface (52); banking entity (54), the primary/sign-on point of contact for the subscriber, a billing entity (56) provides bill availability data to an aggregator database, and electronic payment and customer service EPCS entity (58) that ties distributed database entities together by functioning as an integration agent to maintain bill profile and warehouse data.

DETAILED DESCRIPTION - The subscriber selects a view bill icon, the banking entity messages the EPCS entity with an aggregation data request and the event is logged. The aggregation data of the bill is presented by the EPCS entity with issued security ticket. An INDEPENDENT CLAIM is also included for a system for centrally tracking electronic billing transactions.

USE - For electronic billing system.

ADVANTAGE - Only a single authentication procedure is required for a user entity to receive available data identifying information and linking information for different data at different site e.g. different bills at different sites.

DESCRIPTION OF DRAWING(S) - The figure shows schematic diagram of electronic presentment and payment system.

User Entity (52)

Banking Entity (54)

Billing Entity (56)

Electronic Payment and Customer services Entity (58)

pp; 53 DwgNo 4/20

Title Terms: TRANSACTION; TRACK; METHOD; ELECTRONIC; BILL ; SYSTEM;
DATABASE; STORAGE; LOG; RECEIPT ; MESSAGE; INDICATE; APPLY; USER; ENTITY
; SIGN; SYSTEM

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60 ; H01L-000/00

International Patent Class (Additional): G06F-017/30 ; G06F-019/00 ;

G06F-151-00

File Segment: EPI

15/5/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010254131 **Image available**
WPI Acc No: 1995-155386/199520
Related WPI Acc No: 1993-117779
XRPX Acc No: N95-122344

**ATM/ POS based electronic mail system suitable for wide range of users -
has store and forward message switch to enable user message to be
stored for remote retrieval and to enable user to receive messages at
time determined by user**

Patent Assignee: ATM COMMUNICATIONS INT INC (ATMC-N)

Inventor: STEPHENS W; VAJK H; ZIMMERMAN F; VAK H

Number of Countries: 047 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9510081	A1	19950413	WO 94US11244	A	19941004	199520 B
AU 9479650	A	19950501	AU 9479650	A	19941004	199532
US 5473143	A	19951205	US 91764449	A	19910923	199603
			US 93131327	A	19931004	
MX 184909	B	19970606	MX 942344	A	19940330	199825

Priority Applications (No Type Date): US 93131327 A 19931004; US 91764449 A 19910923

Cited Patents: US 3956615; US 4315101; US 4321672; US 4673802; US 4902881; US 5265033

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9510081	A1	E 108	G06F-007/08	
Designated States (National): AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN				
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE				
AU 9479650	A		G06F-007/08	Based on patent WO 9510081
US 5473143	A	32	G06K-005/00	CIP of application US 91764449 CIP of patent US 5265033
MX 184909	B		G06K-005/000	

Abstract (Basic): WO 9510081 A

The mail system includes an Automated Teller Machine or Point of Sale ('ATM/ POS ') system that includes several terminals through which a user may request access to the electronic mail system and at which he may receive a message **stored** or generate a message for storage in the system. The ATM/ POS system also includes an ATM/ POS institution processor which is remote from the terminals and intercommunicates with the terminals through an ATM/ POS data communication network that is also included in the ATM/ POS system.

The mail system further includes a **store** and forward messages switch which is remote from the terminals for **storing** the message and for transmitting the **stored** message to one of the terminals upon receiving authorization to do so.

USE/ADVANTAGE - Generating and transmitting message information for e.g payment of **bills** , completion of user financial transactions and information transmission from **variety** of **databases** , at times determined by user. Allows electronic mail to be readily available to the public via highly reliable and secure system with private or public access.

Dwg.1/10

Title Terms: ATM; POS ; BASED; ELECTRONIC; MAIL; SYSTEM; SUIT; WIDE; RANGE ; USER; STORAGE; FORWARD; MESSAGE; SWITCH; ENABLE; USER; MESSAGE; STORAGE ; REMOTE; RETRIEVAL; ENABLE; USER; RECEIVE; MESSAGE; TIME; DETERMINE; USER

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-007/08 ; G06K-005/00; G06K-005/000

File Segment: EPI

Set	Items	Description
S1	4575	PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR S-PECIFICAT?
S2	714	S1(3N)(USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER? OR CONSUMER?)
S3	128	EPOS OR POINT(N)SALE? OR ECR OR (COMPUTER? OR DIGITAL OR -AUTOMATED OR ELECTRONIC)()CASH()REGISTER? OR POS
S4	1789	RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()REC-ORD?
S5	18423	ROUTE? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STOR-ING OR SAVE? OR SAVING? OR KEEP? OR KEEPING?
S6	1732	(MULTIPL? OR DISTRIBUTED OR SEVERAL OR DIFFERENT OR VARIOUS OR MANY OR VARIETY OR PLURALITY OR PLURAL)(3N)(DATABASE? OR -DATABANK? OR DATA() (BASE? OR BANK?) OR FILE? OR LOCATION?)
S7	2	S2 AND S3 AND S4
S8	9	S2 AND S4 AND S5
S9	1	S3 AND S4 AND S5 AND S6
S10	0	S8 AND S6
S11	1	S1 AND S4 AND S6 AND S5
S12	4	S7 OR S9 OR S10 OR S11
S13	13	S12 OR S8
S14	13	S13 NOT PY>2001
S15	13	S14 NOT PD>20010809

File 256:TecInfoSource 82-2004/Nov
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15/3,K/4
DIALOG(R)File 256:TecInfoSource
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01199915 DOCUMENT TYPE: Product

PRODUCT NAME: eMessaging eXpress (199915)

Bowe Bell & Howell Co (546241)
6800 N McCormick Rd
Chicago, IL 60645 United States
TELEPHONE: (847) 675-7600

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20040530

...s eMessaging eXpress (SM) is an electronic messaging outsourcing service. It allows organizations to distribute **bills** and statements over the Internet. Presentment is handled at business-branded Web sites. E-mail ...

...products, services, or targeted marketing messages. Employing a NACHA-compliant file format, the service can **send** transaction information directly to banks. eMessaging eXpress includes credit card processing features. It supports the remote access of account **profiles**, streamlining **customer** enrollment. Service personnel can assist customers in making payments or editing account passwords and e...

15/3,K/11
DIALOG(R)File 256:TecInfoSource
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01117528 DOCUMENT TYPE: Product

PRODUCT NAME: Red Peak Multi-Point Commerce Suite (117528)

HighPoint Systems Inc (728659)
10 Maguire Rd #322
Lexington, MA 02421 United States
TELEPHONE: (781) 274-8100

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20021130

...allows customers to initiate transactions from a wide range of devices. It also collects purchase **history** , **customer preference** , promotional and other data. Information can be employed in targeting loyalty and marketing campaigns. Red...

...service, and checkout features. The system encompasses shopping cart, catalog, discount, registration, order history, and **invoice** review options. Administrators can configure user accounts. Red Peak Multi-Point Commerce Suite also includes payment authorization, **delivery** registration, and private-label promotion features.

DESCRIPTORS: ASP (Application Service Providers); Catalogs; E-Commerce;
 Mobile Computing; Order Fulfillment; Pricing; Retailers; **Store**
 Building